

# Air - Cooled Screw Chiller



Air cooled/Heating Pump

Cooling capacity range from 350kW up to 2400kW



## HEAT PUMP



## Options/Accessories

Accessories	Standard	Options
Power supply	3/380V/50Hz	3/380V/60HZ; 3/400V/50hz; 3/460V/60Hz
Water side working pressure	1.0Mpa	1.6Mpa/2.5Mpa
Stating mode	Y-Δ start	soft start
Remote control (with signal enhancer, within 800 meters)	X	√
Capacity control	step adjustment	stepless adjustment

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MODEL			KH0360CVMC		KH0360CVMC	
Cooling	Cooling capacity	kW	350		350	
	Power input	kW	106		106	
	Running current	A	187		187	
Heating	Heating capacity	kW	375		375	
	Power input	kW	110		110	
	Running current	A	195		195	
Max. Power input		kW	190		190	
Max. running current		A	340		340	
Power supply		Ph/V/Hz	3/380/50			
Refrigerant throttle type			Electronic expansion valve			
Capacity control			25%, 50%, 75%, 100%			
Safe protection			High and low pressure protection, safe protection, water-lack delay protection, automatic antifreezing protection, fan motor overload protection, overheating protection, phase lack & sequence protection			
Compressor	Type		Semi-Hermetic screw chiller			
	Quantity		1		1	
	Input power	kW	91		91	
Refrigerant	Type		R134a			
	Charge	kg	90		90	
	Type		Inner grooved copper pipe & hydrophilic aluminum fin coil			
Air side heat exchanger	Fan power	kW	2.5*6		2.5*6	
	Fan type		Axial fan			
	Fan quantity		6		6	
Water side heat exchanger	Type		Dry type Shell & Tube heat exchanger			
	Rated water flow	m <sup>3</sup> /h	60		60	
	Inlet/outlet pipe	DN	100		100	
	Water dirt coefficient	m <sup>2</sup> .°C/kW	0.018			
	Standard pressure	MPa	1.0			
	Water resistance	KPa	50		50	
External dimension	Unit length	mm	3450		3450	
	Unit width	mm	2050			
	Unit height	mm	2520			
Package dimension	Unit length	mm	3500		3500	
	Unit width	mm	2100			
	Unit height	mm	2620			
Weight	Unit weight	kg	3500		3500	
	Gross weight	kg	3550		3550	
	Operation weight	kg	3780		3780	

MODEL			KH0480CVMC		KH0480CVMC		KH0600CVMC		KH0600CVMC	
Cooling	Cooling capacity	kW	475		475		600		600	
	Power input	kW	144		144		182		182	
	Running current	A	257		257		325		325	
Heating	Heating capacity	kW	510		510		645		645	
	Power input	kW	150		150		186		186	
	Running current	A	267		267		332		332	
Max. Power input		kW	256		256		315		315	
Max. running current		A	450		450		558		558	
Power supply		Ph/V/Hz	3/380/50							
Refrigerant throttle type			Electronic expansion valve							
Capacity control			25%, 50%, 75%, 100%							
Safe protection			High and low pressure protection, safe protection, water-lack delay protection, automatic antifreezing protection, fan motor overload protection, overheating protection, phase lack & sequence protection							
Compressor	Type		Semi-Hermetic screw chiller							
	Quantity		1		1		1		1	
	Input power	kW	124		124		157		157	
Refrigerant	Type		R134a							
	Charge	kg	135		135		150		150	
	Type		Inner grooved copper pipe & hydrophilic aluminum fin coil							
Air side heat exchanger	Fan power	kW	2.5*8		2.5*8		2.5*10		2.5*10	
	Fan type		Axial fan							
	Fan quantity		8		8		10		10	
Water side heat exchanger	Type		Dry type Shell & Tube heat exchanger							
	Rated water flow	m <sup>3</sup> /h	82		82		103		103	
	Inlet/outlet pipe	DN	125		125		150		150	
	Water dirt coefficient	m <sup>2</sup> .°C/kW	0.018							
	Standard pressure	MPa	1.0							
	Water resistance	KPa	50		50		70		70	
External dimension	Unit length	mm	4600		4600		5750		5750	
	Unit width	mm	2050							
	Unit height	mm	2520							
Package dimension	Unit length	mm	4600		4600		5900		5900	
	Unit width	mm	2210							
	Unit height	mm	2620							
Weight	Unit weight	kg	5000		5000		6000		6000	
	Gross weight	kg	5070		5070		6070		6070	
	Operation weight	kg	5400		5400		6480		6480	

## Models Combinations

### HEAT PUMP

Basic module	A	B	C	D	E	F
	KH0360CVMC	KH0360CVMD	KH0480CVMC	KH0480CVMD	KH0600CVMC	KH0600CVMD
Model	KH0720CVMC	KH0840CVMC	KH0960CVMC	KH1080CVMC	KH1200CVMC	KH1320CVMC
Combination	1*A+1*B	1*A+1*D	1*A+1*F	1*C+1*F	1*C+2*B	1*A+2*D
Model	KH1440CVMC	KH1560CVMC	KH1680CVMC	KH1800CVMC	KH1920CVMC	KH1820CVMC
Combination	1*C+2*D	1*A+2*F	1*C+2*F	1*E+2*F	1*C+3*D	1*A+1*B+2*F
Model	KH2040CVMC	KH2160CVMC	KH2280CVMC	KH2400CVMC		
Combination	1*E+3*D	1*A+3*F	1*C+3*F	1*E+3*F		

#### Note:

1. Main modules: A&C&E. Auxiliary modules: B&D&F. Models Combinations must be no more than 4 modules, and must be one main module and no more than 3 auxiliary modules. The largest combination cooling capacity is 2400kW.

2. Some models in the table have more than one combination scheme, customers can freely choose other combination schemes according to their own requirements."